

POWER GRID CORPORATION OF INDIA LTD.
N.R.L.D.C.,NEW DELHI-110016



QUARTERLY REPORT FOR THE PERIOD JULY TO SEPTEMBER 2002.

A : POWER SUPPLY POSITION

A-1 : REGIONAL ENERGY

MONTH	ENERGY MET AVG. MU/DAY	ENERGY REQUIREMENT AVG. MU/DAY	ENERGY SHORTAGE IN	
			AVG. MU/DAY	%
JULY,02	443.18	490.42	47.24	9.63
AUGUST,02	429.08	472.69	43.61	9.23
SEPTEMBER,02	389.56	424.31	34.75	8.19

A-2 : REGIONAL PEAK MW

MONTH	PEAK MW MET MW	PEAK MW REQUIREMENT MW	PEAK MW SHORTAGE IN	
			MW	%
JULY,02	21767	24092	2325	9.65
AUGUST,02	21708	24005	2297	9.57
SEPTEMBER,02	20545	22755	2210	9.71

B : QUALITY OF POWER SUPPLY

B-1 : FREQUENCY SPECTRUM

MONTH	% OF TIME FREQUENCY				Frequency Variation Index(FVI)			AVG.FREQ. Hz
	LESS THAN 48.50 Hz	LESS THAN 49.0 Hz	BETWEEN 49.0-50.5 Hz	MORE THAN 50.5 Hz	MAXIMUM	MINIMUM	AVERAGE	
JULY,02	3.23	25.33	70.42	4.25	13.55	2.06	6.72	49.40
AUGUST,02	1.86	12.28	78.61	9.11	13.86	1.32	3.83	49.76
SEPTEMBER,02	0.17	2.91	79.26	17.83	4.95	1.06	2.57	50.01

B-2 : VOLTAGE AT IMPORTANT GRID POINTS

MONTH	400kV DADRI		400 kV KANPUR	
	MAX. (kV)	MIN. (kV)	MAX. (kV)	MIN. (kV)
JULY,02	412	340	417	369
AUGUST,02	420	356	420	377
SEPTEMBER,02	428	374	424	384

C: SYSTEM CONSTRAINTS COMING IN THE WAY OF MEETING SYSTEM REQUIREMENT:

C1:-TRANSMISSION RELATED CONSTRAINT:

S.NO.	TRANSMISSION CONSTRAINT	GENERATING STATIONS AFFECTED	OTHER AGENCIES AFFECTED	REMARKS
1	220kV KISHENPUR- PAMPORE D/C	URI (HYDRO)) (480MW)	J & K AND BENEFICIARIES CONSTITUENT S OF NR	Tripping of this line results into separation of valley area from rest of the grid /black out in valley area and spillage of water at Uri.
2	400kV URI- WAGOORA D/C	URI (HYDRO) (480MW)	CONSTITUENT S OF NR	Spillage of water at URI especially during high hydro season.
3	220kV TANAKPUR- BAREILY D/C	TANAKPUR (HYDRO) (94MW)	CONSTITUENT S OF NR	Spillage of water at TANAKPUR.

C2:- CONSTRAINT DUE TO DISTURBANCE IN THE GRID:

System disturbances / Grid incidents occurred during this quarter are appended at Annexure-I.

D: GENERATION/TRANSMISSION SYSTEM ELEMENT ADDITION:

----NIL----

E: SPECIAL MENTION

----NIL----

S No.	DATE	TIME	INCIDENT
1	01.07.2002	11:03	All the running units viz. 1,3,5&6 at Panipat (T) tripped due to tripping of ICT at 400 kV BBMB SEWA PANIPAT S/S. Normalised by 1600 hrs.
2	06.07.2002	16:10	All the running units viz. 3,5&6 at Panipat (T) tripped due to system jerk. Normalised by 21.45 hrs.
3	05.08.2002	23:28	At 23.28 hrs.,due to bus fault at Obra-A, all the running units viz . unit nos 3,4,6,7 & 100 MVA ICT-I&II at Obra-A and unit nos 12,13 & 240 MVA ICT-II at Obra-B tripped.The system was normalized by 00.57 hrs. of 06.08.2002.Most of the units were taken on bar by 04.25 hrs..
4	07.08.2002	16:48	An incident occurred in Delhi system; due to tripping of 220 kV BTPS-I.P.Extn.-II resulted in tripping all the running units at IP, Rajghat, IP GT and Pragati GT. Loss of generation of was around 430 MW. Delhi supply was made normal within 20 minutes and units were brought back on bar by 21.00 hrs.
5	13.08.2002	21:10	An incident occurred at Salal due to operation of LBB of unit-4 which resulted in tripping of Salal-Jammu-II, Salal-Kishanpur-III & IV and running units-IV & V after silt flushing operation at Salal.
6	10.09.2002	10:15	All the running units at Uri HEP tripped due to tripping of 220 kV Kishanpur-Pampore line-II on E/F.220kV Kishanpur-Pampore line-I was under planned shut down. Due to above tripping Valley got isolated and collapsed. Uri generation and valley power supply was normalized by 13.10 hrs.